

We claim:

1. A computer-readable medium containing a data structure for storing laser accident and incident information comprising:

an incident table containing an entry for each of a plurality of incidents, each entry carrying an identification,

a clinical evaluation table containing at least one entry for each entry in said incident table linked by said identification, said clinical evaluation table containing clinical evaluation information, and

a laser table containing at least one entry for at least one entry in said incident table linked by said identification, said laser table containing a laser identification.

2. The data structure according to claim 1, wherein said clinical evaluation table contains a clinical identification for each entry, said data structure further comprising:

an examination table containing at least one entry that corresponds to at least one entry in said clinical evaluation table linked by the clinical identification, said examination table containing evaluation information and an examination identification.

3. The data structure according to claim 2, further comprising:

an images table containing at least one entry that corresponds to at least one entry in said examination table linked by the examination identification, said images table containing data to form digital representations of the injury occurring from the incident, and

an examination type table containing at least one entry that corresponds to at least one entry in said examination table linked by the examination identification, said examination type table containing an identification of an examination given to an injured subject.

4. The data structure according to claim 1 further comprising a bibliography table containing a corresponding entry for each entry in said incident table linked by said identification, said bibliography table containing bibliographic information for the incident corresponding to said identification.

5. The computer-readable medium according to claim 1, wherein the computer-readable medium is a carrier wave.

6. A system comprising:  
means for storing a database of incidents,  
means for querying information from said storing means, and  
means for displaying information queried from said storing means by said query means.

7. The system according to claim 6, wherein said query means includes:  
means for storing query definitions, and  
means for recalling previous query definitions from said query storing means.

8. A computer-readable medium containing a data structure for injury information comprising:

an injury table containing an entry for each of a plurality of injuries, each entry having an identification,

a clinical evaluation table containing at least one entry for each entry in said injury table linked by said identification, said clinical evaluation table containing medical information, and

a cause table containing a corresponding entry for each entry in said injury table linked by said identification, said cause table containing a description of how the injury occurred.

9. The data structure according to claim 8, further comprising a source table containing a corresponding entry for each entry in said injury table linked by said identification, said source table containing information relating to the source of the information.

10. A method for performing a search in a database comprising:

receiving a search request,

displaying a radial button interface listing categories,

receiving a selection of a category listed on the radial button interface,

displaying an interface having multiple fields for accepting search criteria,

receiving search criteria,

suggesting a query name,

sending the search criteria to another component,

receiving a list of matches that satisfy the search criteria from the other component, and

displaying the list.

11. The method according to claim 10, further comprising receiving a save instruction and saving the query for later retrieval.

12. The method according to claim 10, further comprising expanding the list to include a additional levels of information when an item is selected.

13. A computer data signal embodied in a carrier wave readable by a computing system and encoding a computer program of instructions for executing a computer process performing the method recited in claim 10.

14. A computer-readable medium having computer-executable instructions for the method recited in claim 10.

15. A method for providing information to a user based upon an input received from the user, said method comprising:

- a. displaying a list of incidents,
- b. receiving a selection of a particular incident,
- c. requesting data related to the selected incident,
- d. receiving a populated template including the data related to the selected incident,
- e. displaying the populated template, and
- f. expanding the list to include related informational categories for the selected incident.

16. The method according to claim 15, further comprising repeating steps b through f for each incident selection by the user.

17. The method according to claim 15, further comprising:  
 receiving a selection of an informational category,  
 requesting data related to the selected informational category,  
 receiving a populated template including the data related to the selected informational category,  
 displaying the populated template including the data related to the selected informational category, and  
 when another level of information is available, expanding the list to display the another level of information below the selected informational category.

18. The method according to claim 15, further comprising expanding the list to include a sublevel of information items when an item is selected.

19. A computer data signal embodied in a carrier wave readable by a computing system and encoding a computer program of instructions for executing a computer process performing the method recited in claim 15.

20. A computer-readable medium having computer-executable instructions for the method recited in claim 15.

21. A method for retrieving information from a database and a template, said method comprising:

receiving a selection,  
 pulling data associated with the selection from a database,  
 pulling a template associated with the selection from a template library,  
 populating the template with the pulled data, and

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sending the populated template.

22. The method according to claim 21, wherein said populating step includes matching each piece of data with a respective field within the template.

23. A computer-readable medium having computer-executable instructions for the method recited in claim 21.

24. A computer data signal embodied in a carrier wave readable by a computing system and encoding a computer program of instructions for executing a computer process performing the method recited in claim 21.

25. A method for assembling search results of incidents based upon a query, said method comprising:

receiving at least one search parameters from a controller,  
comparing the incidents in a database against the at least one search parameter,  
compiling a list of matching incidents from the comparing step, and  
sending the compiled list of incidents to the controller.

26. A computer-readable medium having computer-executable instructions for the method recited in claim 25.

27. A computer data signal embodied in a carrier wave readable by a computing system and encoding a computer program of instructions for executing a computer process performing the method recited in claim 25.

28. A laser accident and incident registry system comprising:

a controller having a browser,  
an interface engine connected to said controller, and  
a database storing the laser accident and incident registry, said database  
connected to said interface engine.

29. The system according to claim 28, further comprising a template library  
connected to said interface engine.

30. The system according to claim 29, further comprising a client having said  
controller and a server having said database and said template library, wherein said  
client is connected to said server through a computer network.

31. The system according to claim 30, wherein said client includes said  
interface engine.

32. The system according to claim 28, further comprising a query engine  
connected to said controller.

33. The system according to claim 28, further comprising an icon library  
connected to said controller.

34. The system according to claim 28, further comprising a client having said  
controller and a server having said database, wherein said client is connected to said  
server through a computer network.

35. The system according to claim 34, wherein said client includes said  
interface engine.